

CLAIMS

What is claimed is:

1. A reproduction apparatus to reproduce contents from a storage medium and to access a server system that provides additional information, comprising:
 - an identifier generator to generate an identifier of one of the contents to be reproduced;
 - a network connector; and
 - a controller to store the identifier, and to transmit the identifier to the server system through said network connector, and to receive additional information corresponding to the transmitted identifier from the server system through said network connector.
2. The apparatus of claim 1, further comprising a reading unit to read the one content from the storage medium on which the contents are stored,
wherein said identifier generator receives the identifier read from the storage medium by said reading unit and provides the read identifier to said controller.
3. The apparatus of claim 2, wherein the identifier comprises an International Standard Recording Code (ISRC) recorded on the storage medium.
4. The apparatus of claim 1, wherein said controller further comprises a browser to transmit the identifier to a server installed in the server system, to receive the corresponding additional information provided from the server, and to display the corresponding additional information.
5. The apparatus of claim 4, wherein the browser stores the identifier in a Cookie file in said controller, and transmits the Cookie file to the server.
6. The apparatus of claim 1, further comprising:
 - a reading unit to read the contents from the storage medium on which the contents are stored; and
 - a reproducer to reproduce the contents read by said reading unit.

7. The apparatus of claim 6, wherein said reproducer further comprises a decoder to decode the read contents.

8. The apparatus of claim 7, wherein:

said contents comprises audio and/or video data, and

said reproducer further comprises:

a speaker to reproduce the audio data output from the decoder and to deliver sound from the audio data, and

a display apparatus to receive the video data output from the decoder and to display images from the video data.

9. A server system to provide additional information to a reproducing apparatus used to reproduce contents from a storage medium, comprising:

an additional information database to store the additional information corresponding to the contents; and

a server to receive an identifier with respect to one of the contents from the reproduction apparatus, the identifier having been stored on the reproduction apparatus, to receive the additional information corresponding to the identifier from said additional information data base, and to transmit the corresponding additional information to the reproduction apparatus.

10. The server system of claim 9, wherein:

the identifier comprises an International Standard Recording Code (ISRC), and

said server receives the ISRC corresponding to the one content from the reproduction apparatus, receives the additional information mapped to the ISRC from said additional information data base, and transmits the mapped additional information to the reproduction apparatus.

11. A system for providing additional information corresponding to contents being reproduced from a storage medium, comprising:

a reproduction apparatus to reproduce one of the contents stored on the storage medium, comprising

an identifier generator to generate an identifier of one of the contents to be reproduced,

a network connector, and
a controller to store and transmit the generated identifier through said network connector, to receive the additional information corresponding to the transmitted identifier through said network connector, and to display the received additional information; and
a system server comprising
an additional information database to store the additional information corresponding to the contents, and
a server to receive the transmitted identifier with respect to the one content from said reproduction apparatus, to receive the additional information corresponding to the transmitted identifier from said additional information data base, and to transmit the corresponding additional information to said reproduction apparatus.

12. The system of claim 11, wherein:

the identifier comprises an International Standard Recording Code (ISRC), and
said server receives the ISRC corresponding to the one content from said reproduction apparatus as the identifier, receives the additional information mapped to the ISRC from said additional information data base, and transmits the mapped additional information to said reproduction apparatus.

13. The system of claim 12, wherein

said reproduction apparatus further comprises a reading unit to read data from the storage medium on which the contents are stored, and
said identifier generator receives the ISRC read from the storage medium and provides the ISRC to said controller.

14. The system of claim 13, wherein said controller further includes a browser to transmit the identifier to said server, to receive the additional information provided from said server, and to display the additional information.

15. The system of claim 14, wherein the browser stores the identifier in a Cookie file, and transmits the Cookie file to said server.

16. The system of claim 15, wherein said reproduction apparatus further comprises:

a reading unit to read the contents from the storage medium on which the contents are stored; and

a reproducer to reproduce the contents read by said reading unit.

17. The system of claim 16, wherein said reproducer further comprises a decoder to decode the read contents.

18. The system of claim 17, wherein:

said contents comprises audio and/or video data, and

said reproducer further comprises:

a speaker to receive the audio data output from the decoder and to transmit sound from the audio data; and

a displaying apparatus to receive video data output from the decoder and to display images from the video data.

19. The reproduction apparatus of claim 1, wherein the identifier comprises ownership information corresponding to the one content stored on the storage medium, and each of the contents corresponds to a different identifier.

20. The reproduction apparatus of claim 19, wherein said controller stores the identifier in a Cookie file resident in said controller, and in response to the server system being accessed by said controller, the server system accesses the Cookie file to determine the corresponding additional information to be provided.

21. The reproduction apparatus of claim 1, wherein the identifier comprises ownership information corresponding to the one content stored in a header region of the one content stored on the storage medium, and each of the contents corresponds to a different identifier.

22. The reproduction apparatus of claim 2, wherein said controller transmits the identifier as said reading unit reads the corresponding one content.

23. The server system providing the additional information of claim 9, wherein the identifier comprises ownership information corresponding to the one content stored on the storage medium, and each of the contents corresponds to a different identifier.

24. The server system providing the additional information of claim 9, wherein the reproduction apparatus stores the identifier in a Cookie file resident on the reproduction apparatus, and said server accesses the Cookie file to determine the corresponding additional information to be transmitted.

25. The server system providing the additional information of claim 9, wherein:
said additional information database comprises ownership rights and content identification associated with corresponding additional information, and
the received identifier contains content identification and ownership rights by which said server receives the corresponding additional information from said additional information database.

26. The server system providing the additional information of claim 9, wherein:
said additional information database further comprises uniform resource locators associated with respective identifiers, and
said server receives and transmits one of the uniform resource locators corresponding to the received identifier.

27. The server system providing the additional information of claim 26, wherein:
said additional information database further comprises uniform resource locators associated with respective identifiers, and
said server receives and transmits one of the uniform resource locators corresponding to the received identifier.

28. A method of method of accessing additional information corresponding to contents to be reproduced, comprising:
storing an identifier corresponding to one of the contents to be reproduced, the contents being previously stored on a storage medium;

requesting additional information corresponding to the one content using the stored identifier; and

receiving the corresponding additional information.

29. The method of claim 28, further comprising reproducing the one content, wherein the additional information is requested during said reproducing the one content from the storage medium.

30. The method of claim 29, further comprising detecting the ownership rights associated with the one content, and wherein said requesting the additional information comprises transmitting the stored ownership rights associated with the one content.

31. The method of claim 30, wherein the identifier comprises an International Standard Recording Code (ISRC) containing the ownership rights associated with the one content, and said requesting the additional information comprises transmitting the ISRC associated with the one content.

32. The method of claim 30, further comprising reading the identifier from the storage medium; and

wherein said storing the identifier comprises storing the identifier other than on the storage medium;

said requesting the additional information comprises transmitting the stored identifier over a network to a server having a database; and

said receiving the additional information comprises receiving the additional information corresponding to the stored identifier from the database.

33. The method of claim 32, wherein:

said storing the identifier further comprises storing the identifier on a first computer in the form of a Cookie file; and

said requesting the additional information comprises transmitting the Cookie file over the network to the server having the database.

34. A computer readable medium encoded with processing instructions for implementing a method of accessing additional information corresponding to contents to be reproduced performed by a computer, the method comprising:

storing an identifier corresponding to one of the contents to be reproduced, the contents being previously stored on a storage medium;

requesting additional information corresponding to the one content using the stored identifier; and

receiving the corresponding additional information.

35. The computer readable medium of claim 34, further comprising reproducing the one content, wherein the additional information is requested during said reproducing the one content from the storage medium.

36. The computer readable medium of claim 34, wherein said storing the identifier comprises detecting and storing the ownership rights associated with the one content, and said requesting the additional information comprises transmitting the stored ownership rights associated with the one content.

37. The computer readable medium of claim 34, wherein the identifier comprises an International Standard Recording Code (ISRC) containing the ownership rights associated with the one content, and said requesting the additional information comprises transmitting the ISRC associated with the one content.

38. The computer readable medium of claim 34, wherein:

said storing the identifier comprises reading the identifier from the storage medium, and storing the identifier other than on the storage medium;

said requesting the additional information comprises transmitting the stored identifier over a network to a server having a database; and

said receiving the additional information comprises receiving the additional information corresponding to the stored identifier from the database.

39. The computer readable medium of claim 38, wherein:

said storing the identifier further comprises storing the identifier on a first computer in the form of a Cookie file; and

 said requesting the additional information comprises transmitting the Cookie file over the network to the server having the database.

40. A method of providing additional information corresponding to contents stored on a storage medium read by a reproducing apparatus, comprising:

 receiving an identifier corresponding to one of the contents to be reproduced by the reproduction apparatus, the identifier having been read from the storage medium and stored on the reproduction apparatus;

 accessing an additional information database on which additional information corresponding to the contents are stored;

 retrieving from the additional information database one of the additional information corresponding to the received identifier; and

 providing to the reproducing apparatus the one additional information.

41. The method of claim 40, wherein

 the identifier comprises an International Standard Recording Code (ISRC) recorded on the storage medium on which the one content is recorded and stored on the reproduction apparatus,

 said retrieving the one additional information comprises retrieving the additional information mapped to the ISRC from the additional information data base, and

 said providing the one additional information comprises transmitting the mapped additional information to the reproduction apparatus.

42. The method of claim 40, wherein said receiving the identifier comprises receiving a Cookie file stored on the reproduction apparatus, the Cookie file comprising the identifier.

43. The method of claim 40, wherein said receiving the identifier comprises receiving a Cookie file stored on the reproduction apparatus, the Cookie file comprising the identifier.

44. The method of claim 40, further comprising storing additional information corresponding to an identifier generated by the reproducing apparatus from header information of the one content.